WHAT IS CLAIMED IS:

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- 1. A switch illuminating EL (electroluminescence) sheet having a light emitting pattern corresponding to a switch, comprising:
- a light emitting layer having EL phosphor particles which are contained dispersedly in a dielectric matrix;

a transparent electrode layer arranged along a light emitting face of the light emitting layer and constituted of a conductive polymer;

- a transparent protection film arranged on the transparent electrode layer and having a thickness of 10 μm to 60 μm ; and a dielectric layer and a back electrode layer which are arranged in order along a non light emitting face of the light emitting layer.
- 2. The switch illuminating EL sheet according to claim 1, wherein the EL phosphor particles are constituted of ZnS-based EL phosphors.
- 3. The switch illuminating EL sheet according to claim 2, wherein the EL phosphor particles have a mean particle diameter of 10 μm to 23 μm and a particle distribution including 30% or less by mass of constituents having a particle diameter of 25.4 μm or larger.
- 4. The switch illuminating EL sheet according to claim 3, wherein the EL phosphor particle has luminance of 80 cd/m² or higher under drive conditions of a voltage of 100 V and a frequency of 400 Hz when an EL element is produced using a transparent electrode having light transmittance of 85% or higher and surface resistance of 500 Ω/\Box or lower.
 - 5. The switch illuminating EL sheet according to claim 1,

wherein the EL phosphor particles have a damp-proof coating formed on a surface thereof.

- 6. The switch illuminating EL sheet according to claim 5, wherein the damp-proof coating is constituted of a metal oxide film or a metal nitride film.
 - 7. The switch illuminating EL sheet according to claim 5, wherein the damp-proof coating has a mean film thickness of 0.1 μm to 2 μm .
- 8. The switch illuminating EL sheet according to claim 3, wherein the switch illuminating EL sheet exhibits luminance of 50 cd/m^2 or higher under drive conditions of a voltage of 100 V and a frequency of 400 Hz.
 - 9. The switch illuminating EL sheet according to claim 1, wherein the transparent electrode layer constituted of the conductive polymer has a mean thickness of 0.1 μm or larger, and surface resistance of 1000 Ω/\Box or lower and light transmittance of less than 80%.
 - 10. The switch illuminating EL sheet according to claim 1, further comprising:
 - a back insulation layer arranged on the back electrode layer.
 - 11. An illuminated switch comprising a switch illuminating EL sheet according to claim 1.
 - 12. The illuminated switch according to claim 11, comprising:
- a switch mechanism portion;

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a key top portion which operates the switch mechanism portion; and

the switch illuminating EL sheet arranged between the switch

mechanism portion and the key top portion, and illuminating the key top portion.

- 13. The illuminated switch according to claim 12, wherein the switch mechanism portion has a dome type movable contact point and a fixed point arranged on a substrate.
 - 14. An electronic apparatus comprising an illuminated switch according to claim 11.
- 15. The electronic apparatus according to claim 14, wherein the electronic apparatus is a mobile communication apparatus.